| Ref<br>#  | Hits | Search Query                                                                                                          | DBs                                                     | Default<br>Operator | Plurals | Time Stamp       |
|-----------|------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|---------|------------------|
| L1        | 3    | 380/278.ccls. and ((miss\$5 or skip\$5) near7 authenticat\$5)                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:43 |
| L2        | 405  | ((miss\$5 or skip\$5) near7<br>authenticat\$5) not I1                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:43 |
| L3        | 7    | I2 and (load\$5 near5 keys) .                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON .    | 2007/01/08 08:51 |
| L4        | 0    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 and<br>reauthenticat\$5)) and (load\$5 near5<br>keys)).clm.        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:53 |
| L5        | 0    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 and<br>reauthenticat\$5))).clm.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:53 |
| L6        | 1    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 or<br>reauthenticat\$5))).clm.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:56 |
| <b>L7</b> | 1    | (((skip\$5 or miss\$5 or postpon\$5 or put) near5 (re-authenticat\$5 or reauthenticat\$5))).clm.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:57 |
| L8        | 1    | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))).clm.               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:57 |
| L9 .      | 1    | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))) and 380/278. ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:59 |

|     |    |                                                                                                                                                                   |                                                         |    |    | ·                |
|-----|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|------------------|
| L10 | .1 | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))) and "380". clas.                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:13 |
| L11 | 0  | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))) and 380/270, 272,280.ccls.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:13 |
| L12 | 1  | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) with (re-authenticat\$5 or reauthenticat\$5))) and 380/270, 272,280.ccls.                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:13 |
| L13 | 2  | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) with (re-authenticat\$5 or reauthenticat\$5))) and 713/168.ccls.                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/08 09:23 |
| L14 | 1  | (COHEN.IN. AND HARTMAN.IN.<br>AND JHA.IN. AND TU.IN.) AND<br>((skip\$5 or miss\$5 or bypass\$5 or<br>postpon\$5) with (reauthenticat\$5 or<br>re-authenticat\$5)) | US-PGPUB;<br>USPAT                                      | OR | ON | 2007/01/08 09:24 |

| Ref<br># | Hits | Search Query                                                                                                          | DBs .                                                   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|---------|------------------|
| L1       | 3    | 380/278.ccls. and ((miss\$5 or skip\$5) near7 authenticat\$5)                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON<br>· | 2007/01/08 08:43 |
| L2       | 405  | ((miss\$5 or skip\$5) near7<br>authenticat\$5) not I1                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:43 |
| L3       | 7    | l2 and (load\$5 near5 keys)                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:51 |
| L4       | 0    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 and<br>reauthenticat\$5)) and (load\$5 near5<br>keys)).clm.        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:53 |
| L5       | 0    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 and<br>reauthenticat\$5))).clm.                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:53 |
| L6       | 1    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 or<br>reauthenticat\$5))).clm.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:56 |
| L7       | 1    | (((skip\$5 or miss\$5 or postpon\$5 or put) near5 (re-authenticat\$5 or reauthenticat\$5))).clm.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR ·                | ON      | 2007/01/08 08:57 |
| L8       | 1    | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))).clm.               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:57 |
| L9       | 1    | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))) and 380/278. ccls. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:59 |

|     | _   |                                                                                                                                                                   |                                                         |      |    |                  |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------|----|------------------|
| L10 |     | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))) and "380". clas.                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/08 09:13 |
| L11 | 0   | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) near5 (re-authenticat\$5 or reauthenticat\$5))) and 380/270, 272,280.ccls.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/08 09:13 |
| L12 | 1   | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) with (re-authenticat\$5 or reauthenticat\$5))) and 380/270, 272,280.ccls.                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2007/01/08 09:13 |
| L13 | 2   | (((skip\$5 or miss\$5 or postpon\$5 or prolong\$5) with (re-authenticat\$5 or reauthenticat\$5))) and 713/168.ccls.                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2007/01/08 09:23 |
| L14 | * 1 | (COHEN.IN. AND HARTMAN.IN.<br>AND JHA.IN. AND TU.IN.) AND<br>((skip\$5 or miss\$5 or bypass\$5 or<br>postpon\$5) with (reauthenticat\$5 or<br>re-authenticat\$5)) | US-PGPUB;<br>USPAT                                      | OR   | ON | 2007/01/08 09:24 |

| Ref<br>#   | Hits | Search Query                                                                                                   | DBs                                                     | Default<br>Operator | Plurals | Time Stamp       |
|------------|------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|---------|------------------|
| L1         | 3    | 380/278.ccls. and ((miss\$5 or skip\$5) near7 authenticat\$5)                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:43 |
| L2         | 405  | ((miss\$5 or skip\$5) near7<br>authenticat\$5) not l1                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:43 |
| L3         | . 7  | I2 and (load\$5 near5 keys)                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR ·                | ON      | 2007/01/08 08:51 |
| L4         | 0    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 and<br>reauthenticat\$5)) and (load\$5 near5<br>keys)).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:53 |
| L5         | 0    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 and<br>reauthenticat\$5))).clm.                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:53 |
| L6         | 1    | (((skip\$5 or miss\$5) near5<br>(re-authenticat\$5 or<br>reauthenticat\$5))).clm.                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/01/08 08:53 |
| S1         | . 2  | "5832086".pn.                                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON .    | 2007/01/08 08:41 |
| <b>S2</b>  | 238  | (wireless near network) and (key near distribution)                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/09/23 10:04 |
| <b>S</b> 3 | 17   | S2 and 380/278.ccls.                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2005/09/23 11:58 |

|     |      | EAST Scare                                                                             | ,,                                                      |      |     |                  |
|-----|------|----------------------------------------------------------------------------------------|---------------------------------------------------------|------|-----|------------------|
| S4  | 3    | S2 and (key near rollover)                                                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 09:14 |
| S5  | 36   | S2 and (updat\$5 near4 key)                                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 09:15 |
| S6  | 33   | S5 not S4                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 09:53 |
| S7  | 26   | S6 and ((chang\$5 or updat\$5 or generat\$5) near8 key) and ((set or group) near5 key) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 09:59 |
| S8  | 11   | S6 and (generat\$5 near8 (new near key)) and ((set or group) near5 key)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON  | 2005/09/23 10:02 |
| S9  | 17   | S2 and (generat\$5 near8 (new near key)) and ((set or group) near5 key)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON. | 2005/09/23 10:02 |
| S10 | 6    | S9 not S8                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 10:02 |
| S11 | 80   | (wireless near network) and (key<br>near distribution) and (access near<br>point)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 10:07 |
| S12 | 17   | S11 and (updat\$5 near5 key)                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 10:22 |
| S13 | . 73 | (access near point) same<br>(generat\$5 near key)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2005/09/23 10:22 |

| S14          | 161     | (access near point) same<br>(generat\$5 near5 key)                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON . | 2005/09/23 10:22 |
|--------------|---------|--------------------------------------------------------------------------------------------|---------------------------------------------------------|---------|------|------------------|
| S15          | 21      | S13 and (updat\$5 near4 key)                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON   | 2005/09/23 10:30 |
| S16          |         | S13 and (expir\$7 near4 key)                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON   | 2005/09/23 10:28 |
| S17          | 2       | S16 not S15                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON   | 2005/09/23 10:28 |
| S18          | 21      | S13 and (chang\$5 near4 key)                                                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON   | 2005/09/23 10:30 |
| S19 <u> </u> | 12      | S18 not S15                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON   | 2005/09/23 11:28 |
| S20          | 8       | ((access near point) same<br>(generat\$5 near5 ((number or<br>couple or few) near2 keys))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR<br>· | ON   | 2005/09/23 11:34 |
| S21          | 61      | ((access near point) same (chang\$5 near5 key))                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON   | 2005/09/23 11:34 |
| S22          | 5507510 | S21 no S20                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR .    | ON   | 2005/09/23 11:34 |
| 523          |         | S21 not S20                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR      | ON   | 2005/09/23 11:34 |

| S24 | 3   | S23 and (time-dependent or (time near dependent))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 11:36 |
|-----|-----|-----------------------------------------------------------------------------------|---------------------------------------------------------|------|------|------------------|
| S25 | 2   | S23 and (expir\$5 near5 key)                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 11:36 |
| S26 | 2   | S25 not S24                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON   | 2005/09/23 11:42 |
| S27 | 547 | 380/270.ccls.                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR.  | ON . | 2005/09/23 11:42 |
| S28 | 10  | S27 and S11                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 11:50 |
| S29 |     | S2 and (access near point)                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 11:51 |
| S30 | 2   | S29 and (periodic near8 (key near3 (updat\$5 or chang\$5 or renew\$5)))           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 11:56 |
| S31 | 9   | 713/168.ccls. and (periodic near8 (key near3 (updat\$5 or chang\$5 or renew\$5))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 11:56 |
| S32 | 345 | 380/278.ccls.                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 11:59 |
| S33 | 2   | S32 and (rotat\$5 near5 keys)                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON   | 2005/09/23 12:00 |

|     |      |                                           |                                                         | I    |      |                  |
|-----|------|-------------------------------------------|---------------------------------------------------------|------|------|------------------|
| S34 | . 59 | S32 and (load\$5 near5 keys)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 12:03 |
| S35 | 57   | S34 not S33                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 12:00 |
| S36 | 5    | S35 and (wireless near network)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON   | 2005/09/23 12:01 |
| S37 | 7    | S32 and (renew\$5 near5 keys)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | . OR | ON   | 2005/09/23 12:15 |
| S38 | 1    | S32 and ((static and dynamic) near5 keys) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON . | 2005/09/23 15:17 |
| S39 | 1    | S32 and ((fixed and rollover) near5 keys) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 12:16 |
| S40 | 0    | S32 and ((fixed and rused) near5 keys)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 12:16 |
| S41 | 30   | S32 and ((fixed ) near5 keys)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 12:16 |
| S42 | 29   | S41 not S39                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 12:16 |
| S43 | 345  | 380/278.ccls.                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON   | 2005/09/23 15:17 |

| S44 | 38  | S43 and ((static fixed) near5 keys)                                                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/23 15:18 |
|-----|-----|--------------------------------------------------------------------------------------------|---------------------------------------------------------|----|------|------------------|
| S45 | 0   | S44 not S43                                                                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/23 15:18 |
| S46 |     | S44 and (wireless near network) and (access near point)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 07:24 |
| S47 | 1   | "20030126435".PN.                                                                          | US-PGPUB                                                | OR | ON   | 2005/09/23 15:19 |
| S48 | 1   | "20020080958".PN.                                                                          | US-PGPUB                                                | OR | ON   | 2005/09/23 15:20 |
| S49 | . 1 | "20010021252".PN.                                                                          | US-PGPUB                                                | OR | ON   | 2005/09/23 15:23 |
| S50 | 1   | "6381344".PN.                                                                              | USPAT;<br>USOCR                                         | OR | ON   | 2005/09/23 15:23 |
| S51 | 1   | "4881264".PN.                                                                              | USPAT;<br>USOCR                                         | OR | ON   | 2005/09/23 15:23 |
| S52 | 1   | "5781629".PN.                                                                              | USPAT;<br>USOCR                                         | OR | ON   | 2005/09/23 15:23 |
| S53 | 1   | "4625076".PN.                                                                              | USPAT;<br>USOCR                                         | OR | ON   | 2005/09/23 16:03 |
| S54 | 1   | "4868877".PN.                                                                              | USPAT;<br>USOCR                                         | OR | ON   | 2005/09/23 16:04 |
| S55 | 125 | (multiple near5 keys) and (wireless<br>near network) and (access near<br>point)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 07:33 |
| S56 | 13  | S55 and ((transmit and receive) near8 key)                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 07:30 |
| S57 | 107 | ((session and public) near5 key) and<br>(wireless near network) and (access<br>near point) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON · | 2005/09/26 07:30 |
| S58 | 1   | S57 and ((limited or pool) near5 (session near key))                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 07:31 |

| S59 | 8   | (predetermined near5 key) and<br>(multiple near5 keys) and (wireless<br>near network) and (access near<br>point) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 07:36 |
|-----|-----|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|------|------------------|
| S60 | 664 | (predetermined near5 key) and (multiple near5 keys) and ((chang\$5 or updat\$5) near8 key)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 07:36 |
| S61 | 19  | S60 and (reus\$6 near5 key)                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OÑ   | 2005/09/26 09:22 |
| S62 | 36  | "l6" and (replac\$6 near5 key)                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2005/09/26 09:24 |
| S63 | 117 | "l6" and (chang\$6 near5 key)                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 09:25 |
| S64 | 8   | S63 and (updat\$6 near5 key)                                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 09:26 |
| S65 | 487 | (wireless near network) and (updat\$6 near5 key)                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 09:26 |
| S66 | 213 | S65 and (time near5 key)                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2005/09/26 09:26 |
| S67 | 17  | S66 and (receive near key)                                                                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 10:11 |
| S68 | 2   | "20030095663"                                                                                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2005/09/26 11:15 |

|     |       |                                                                                                  |                                                         |    |           | <del> </del>     |
|-----|-------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|-----------|------------------|
| S69 | 13610 | Fixed near5 key                                                                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2005/09/26 11:16 |
| S70 |       | S69 and (wireless near network) and (access near point)                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2005/09/26 11:16 |
| S71 | 48    | (replac\$6 near5 key) same<br>threshold                                                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON '      | 2006/02/08 10:51 |
| S72 | 10    | S71 and wireless                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2006/02/08 10:51 |
| S73 | 357   | ((chang\$5 or replac\$6) near5 key)<br>same threshold                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2006/02/08 10:51 |
| S74 | 65    | S73 and wireless                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2006/02/08 10:59 |
| S75 | 2     | S74 and (load\$5 near5 keys)                                                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2006/02/08 11:00 |
| S76 | 63    | S74 not S75                                                                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON<br>· . | 2006/02/08 11:13 |
| S77 | 27    | S76 and secur\$4                                                                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2006/02/08 11:13 |
| S78 | 1     | 380/278.ccls. and ((wireless or<br>mobile) near5 (device or agent))<br>and (rollover near4 keys) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON        | 2007/01/04 15:26 |

| S79 | 13  | 380/278.ccls. and ((wireless or                                                                                                       | US-PGPUB;                                               | OR   | ON | 2007/01/04 15:42 |
|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------|----|------------------|
|     | 13  | mobile) near5 (device or agent)) and ((transmit and receive) near5 key)                                                               | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              |      |    | 2307/01/01 13.12 |
| S80 | 298 | rollover near5 keys                                                                                                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 15:34 |
| S81 | 297 | S80 not S78                                                                                                                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2007/01/04 15:34 |
| S82 |     | S81 and (periodical\$5 with ((chang\$5 or updat\$5 or refresh\$5) near6 key))                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 15:37 |
| S83 | 2   | S81 and (((miss\$5 or skip\$5) near5 authenticat\$5) same ((chang\$5 or updat\$5 or refresh\$5) near6 key))                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 15:47 |
| S84 | 411 | (key near5 (server or controller))<br>and ((wireless or mobile) near5<br>(device or agent)) and ((transmit<br>and receive) near5 key) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 15:43 |
| S85 | 411 | S84 and ((transmit\$5 or send\$5 or communicat\$5) near5 key)                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 15:44 |
| S86 | 161 | S85 and ((chang\$5 or updat\$5 or refresh\$5) near6 key)                                                                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 18:27 |
| S87 | 37  | S85 and ((chang\$5 or updat\$5 or refresh\$5) with ((set or number or plurality or pair) near5 keys))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 17:25 |
| S88 | 2   | "6178244".pn.                                                                                                                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/04 17:25 |

|     |       |                                                                               |                                                         |      |    | ,                |
|-----|-------|-------------------------------------------------------------------------------|---------------------------------------------------------|------|----|------------------|
| S89 | 46101 | ((chang\$5 or updat\$5 or refresh\$5<br>or rollover\$5 or swap\$5) near6 key) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR . | ON | 2007/01/04 18:27 |
| S90 | 994   | (wireless near5 device) and (alternat\$5 near5 authenticat\$5)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/05 19:01 |
| S91 | 151   | S90 and (different near5 protocol)                                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/05 19:01 |
| S92 | 11    | S91 and ((multiple or plurality) near5 key)                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2007/01/05 19:02 |